D-Link®

DSL-321B HIGH-SPEED SECURE INTERNET ACCESS

# ADSL2+ MODEM

### HIGH-SPEED ADSL2+ INTERNET CONNECTION

Latest ADSL2+ standard provides Internet transmission of up to 24Mbps downstream, up to 2Mbps upstream

### SECURE & EASY CONFIGURATION

Versatile local and remote configuration support

### TOTAL COMPATIBILITY

Works with all major Internet Service Providers

## AFFORDABLE HIGH-SPEED CONNECTION

The DSL-321B ADSL2+ modem is an affordable high-performance ADSL device for Internet connection. Using the ADSL2/2+ standard supporting up to 24Mbps download speed, this modem provides all the Internet speed that you need to establish a high-speed remote link to the outside world.

## RELIABLE INTERNET LINK

The DSL-321B ADSL2/+ modem support “always on” connections to eliminate dial-up wait time and busy signals. Web surfing and your e-mail are instantly available, any time. Like any ADSL modem, it lets you access the Internet using your existing phone lines, without interfering with your voice phone service. You can talk on the phone and surf the net at the same time. Along with instant connectivity, you can surf the Internet at very high speeds.

With high-speed connections, you won’t have to wait for downloads of graphic-intensive web pages. These speeds are also ideal for on-line audio/video streams, Internet games, VoIP phone communication applications and transfers of large files over the Internet.

# DSL-321B HIGH-SPEED SECURE INTERNET ACCESS

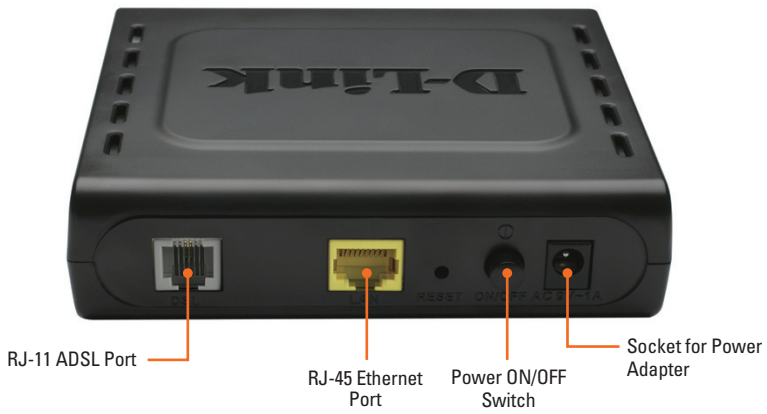
DSL-321B

## WHAT THIS PRODUCT DOES

*This ADSL modem connects your computer to the Internet using the high-speed ADSL2/2+ standards. It provides hight-speed Internet speeds of up to 24Mbps and is ideal for on-line games, streaming multimedia and voice communication over the Internet, as well as download of large files, photos, music and video.*

## GET HIGH-SPEED ADSL SPEED

*Ready ADSL connection with up to 24Mbps downstream and 2Mbps upstream. Watch TV, listen to live music and broadcast on the Internet, play games and experience clear Internet phone calls. Now, smooth streaming multimedia and VoIP voice are possible at home and in the office through a simple connection to this modem.*




## YOUR COMPUTER INTERNET CONNECTION

## TECHNICAL SPECIFICATIONS

### DEVICE INTERFACES
- RJ-11 ADSL port
- RJ-45 10/100BASE-TX Ethernet LAN port with auto MDI/MDIX
- Factory reset button

### ADSL STANDARDS
- Full-rate ANSI T1.413 Issue 2
- ITU-T G.992.1 (G.dmt) Annex B
- ITU-T G.992.2 (G.lite) Annex B
- ITU-T G.994.1 (G.hs)

### ADSL2 STANDARDS
- ITU-T G.992.3 (G.dmt.bis) Annex B
- ITU-T G.992.4 (G.lite.bis) Annex B
- Annex M compatible: up to 2Mbps upstream

### ADSL2+ STANDARD
ITU-T G.992.5 Annex A/M

### ATM/PPP PROTOCOLS
- Multiple protocol encapsulation over AAL5
- Bridged Ethernet encapsulation
- Logical Link Control (LLC) encapsulation
- VC-based multiplexing
- RFC 1483, RFC 2684
- ATM Forum UNI3.1/4.0 PVC Up to 8 PVCs
- Multiple services, PPPoE, bridge, MER over single PVC: optional
- ATM Cell Format ITU-T Rec. I.361
- ATM Adaptation Layer Type 5 (AAL5)
- ITU-T I.610 OAM Principles & Functions include F4/F5 loopback
- ATM QoS (Traffic Shaping) UBR, CBR, rt-VBR, nrt-VBR
- PPP over ATM RFC 2364
- PPP over Ethernet RFC 2516
- PPP Link Control Protocol (LCP) RFC 1661
- Internet Protocol Control Protocol (IPCP) RFC 1332
- PPP Authentication Protocol (PAP) RFC 1334
- PPP Challenge Handshake Authentication Protocol (CHAP) RFC 1994
- Microsoft PPP CHAP extensions RFC 2433

### NETWORK PROTOCOLS
- Ethernet to ADSL Self-Learning Transparent Bridging
- Simple Network Time Protocol (SNTP)

### TRAFFIC SHAPING
- Bandwidth Control (64K/128K/256K/512K)
- PVC/VLAN port mapping (bridge mode)
- IGMP snooping 32 multicast groups

### CONFIGURATION/MANAGEMENT
- Web-based GUI
- Web-based/TFTP firmware/configuration upgrade
- TFTP server/client
- Code Lock to prevent from improper firmware upgrade through UI, TFTP, TR-069
- Telnet/SSH access for configuration (optional)
- Local access via console (optional)
- UPnP IGD 1.0 (optional)
- ADSL/ADSL2/ADSL2+ manual selection and auto fallback
- Configuration backup and restore
- Diagnostics
- Log & Trace function
- SNMP v.1 and v.2c w/ MIB-I and MIB-II (optional)
- RFC 1213, RFC 2662
- TR-069 compliant w/ ACS (optional)

### DIAGNOSTIC LEDS
- Power
- Status
- DSL Link/Activity
- Ethernet Link/Activity

### POWER SUPPLY
- 5VDC/1.2A switching power adapter or 9VAC/1A linear power adapter
- Dying Gasp (optional)

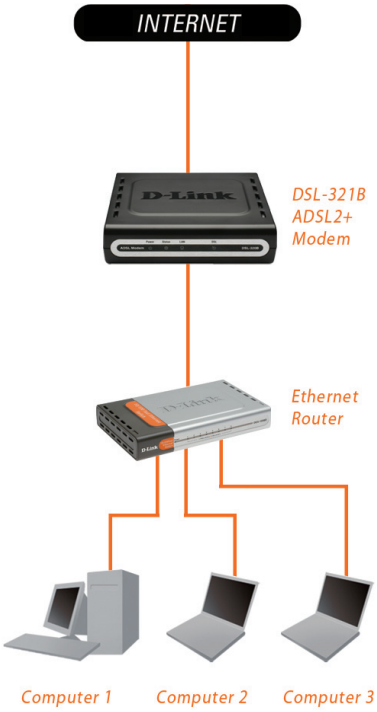
### DIMENSIONS
120 mm (L) x 105 mm (W) x 32 mm (H)

### OPERATING TEMPERATURE
0˚ to 40˚ C (32˚ to 104˚ F)

BROADBAND

DSL-321B

## YOUR HOME NETWORK SETUP




## TECHNICAL SPECIFICATIONS

*STORAGE TEMPERATURE*
*-20˚ to 70˚ C (-4˚ to 158˚ F)*

*HUMIDITY*
*5% to 95% non-condensing*

*EMC CERTIFICATION*
+ *CE*
+ *FCC CLASS B*

*TELECOME CERTIFICATION*
+ *CE TBR-21*
+ *FCC PART 68*
+ *A-TICK*

*SAFETY CERTIFICATION*
+ *CSA INTERNATIONAL*
+ *CE*
+ *ROHS COMPLIANT*

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